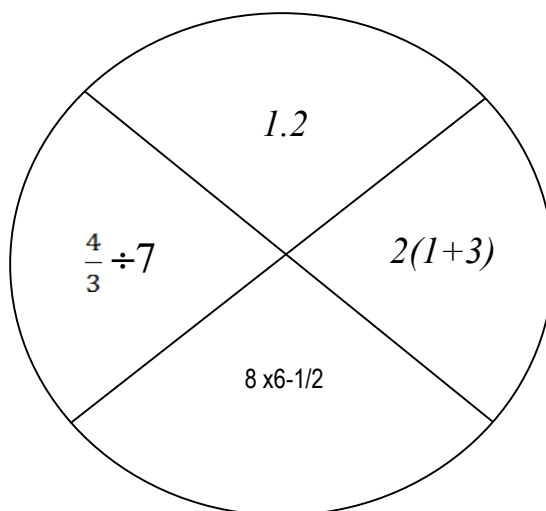


**To the Teacher: Relationship Building – Concept Circles:** Place four related items in the sectors of a circle. Ask students to decide the title for the circle based on the commonalities among the items. Ask questions based on the circle:

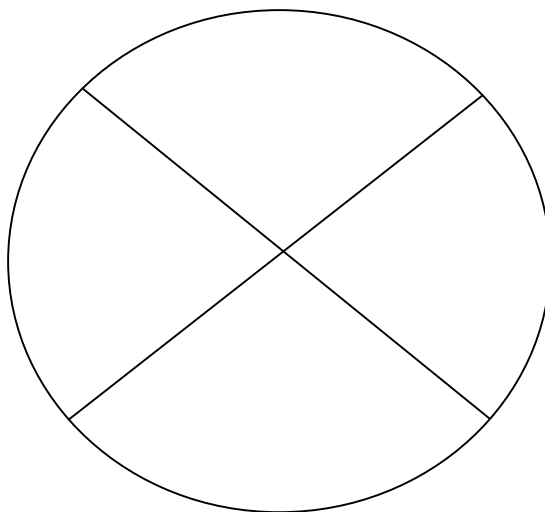
1. Why is each of these related to your title?
  2. Is another title also appropriate for the set? Explain.
  3. Can you think of other items you might place in the circle and keep the name the same?
- See examples below.

TITLE \_\_\_\_\_



Alternate version: Divide a circle into fourths using two diameters. Give a title to the concept circle. Students will write words related to the title in each of the 4 sectors. Compare answers. Students must justify their choices for their circle. How many different words did students relate to this word? Are there ways to group the class' set of words into subsets?

TITLE **MULTIPLICATION**



#### **Possible Subsets for Multiplication words**

Parts of multiplication problems: factors, multiplier, multiplicand, product

Words meaning multiplication: times, multiples, twice, by, repeated addition

Ways to apply multiplication: area, cost of multiples, wages, square/cube

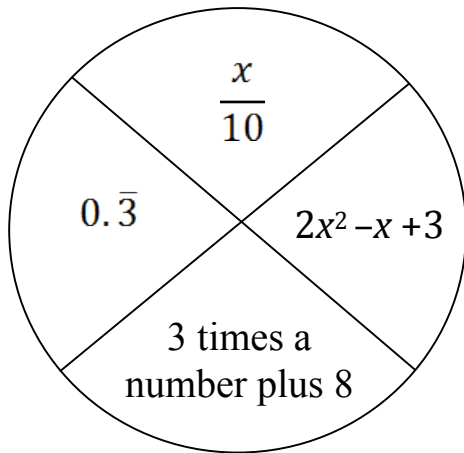
Representations of multiplication: number facts, times tables,  $\bullet$ ,  $\times$ ,  $2(3x)$ ,  $(a+b)(c+d)$

Formulas using multiplication:  $D = rt$ ,  $A = l \times w$ ,  $P = 2l + 2w$ ,  $C = d \pi$

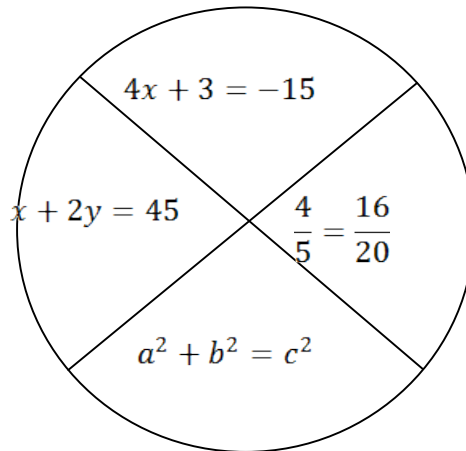
## NAME ME, PLEASE!

Select a title for each circle based on what the elements in the set have in common.  
Be able to explain why you picked your title.

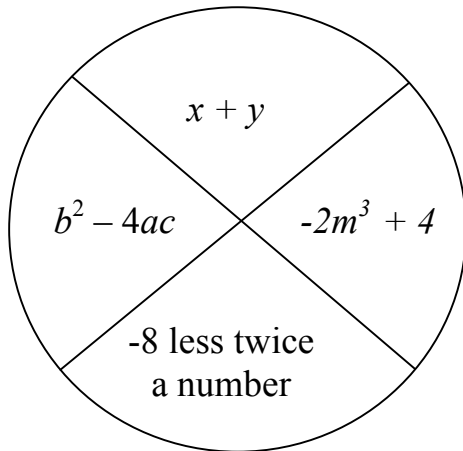
TITLE \_\_\_\_\_



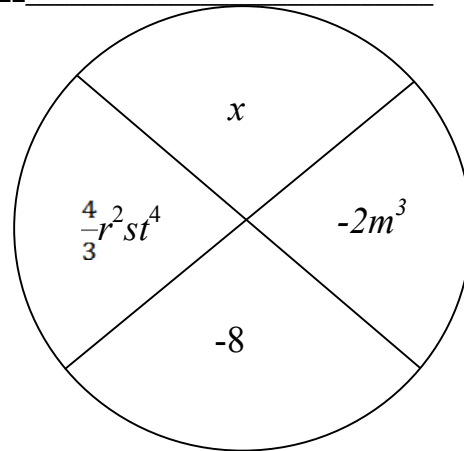
TITLE \_\_\_\_\_



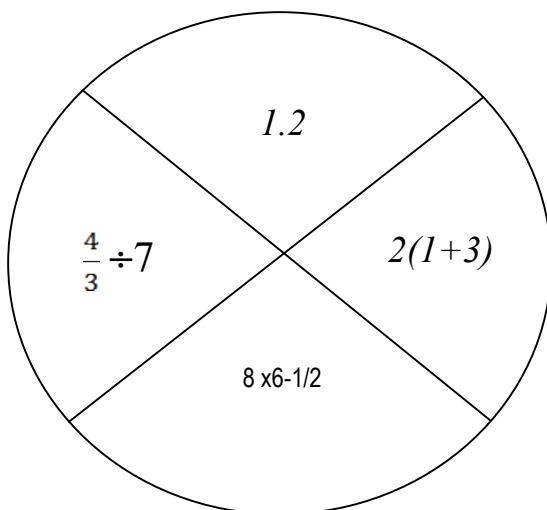
TITLE \_\_\_\_\_



TITLE \_\_\_\_\_



TITLE \_\_\_\_\_



TITLE \_\_\_\_\_

